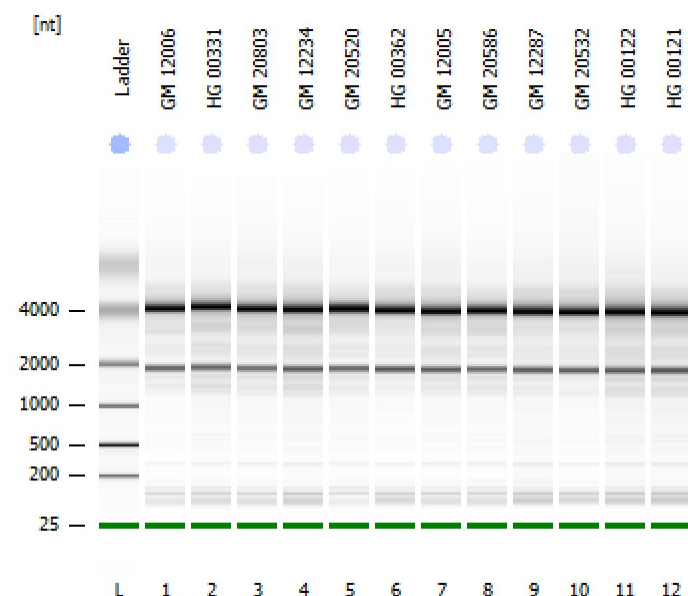


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_14-03-41.xad

Created: 10/13/2011 2:03:40 PM
Modified: 10/13/2011 2:27:34 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537

Firmware: C.01.069

Serial#: DE04105537

Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

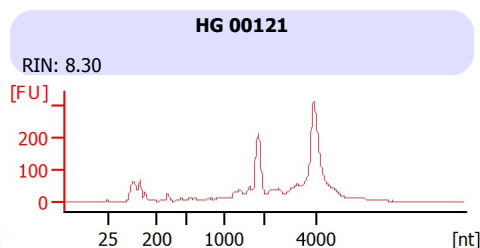
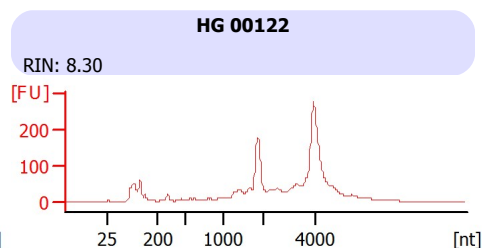
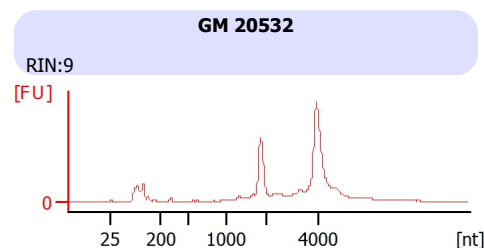
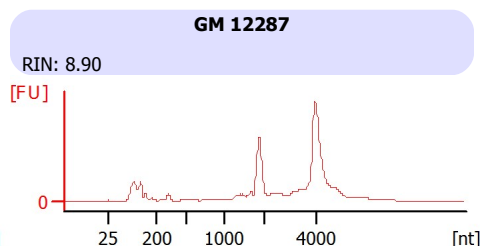
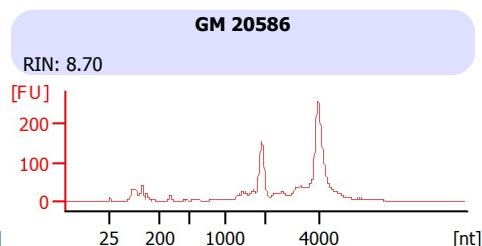
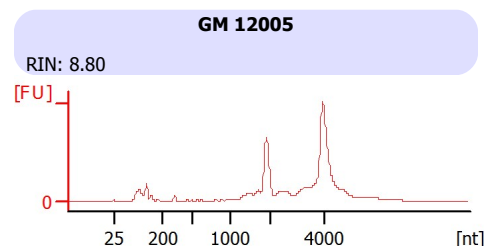
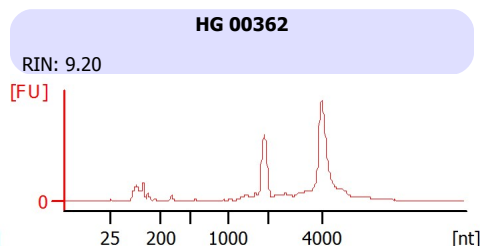
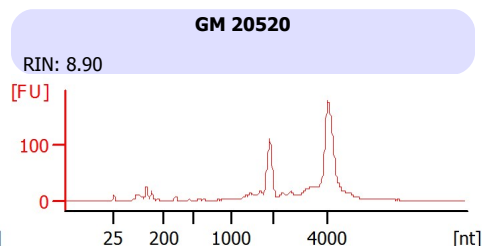
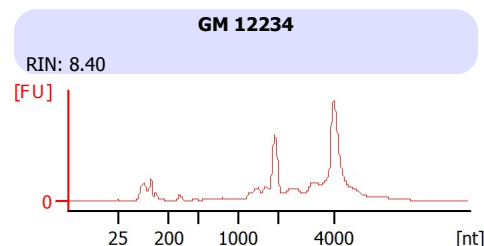
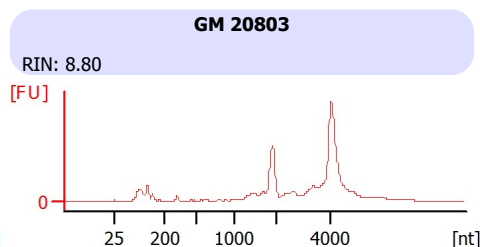
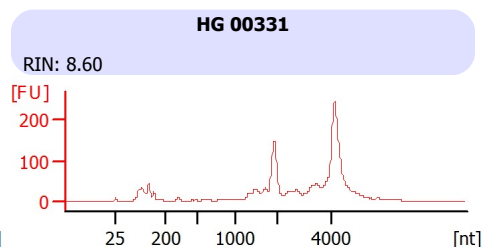
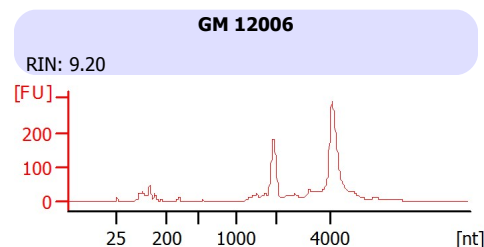
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_14-03-41.xad

Created: 10/13/2011 2:03:40 PM
Modified: 10/13/2011 2:27:34 PM

Electrophoresis File Run Summary (Chip Summary)

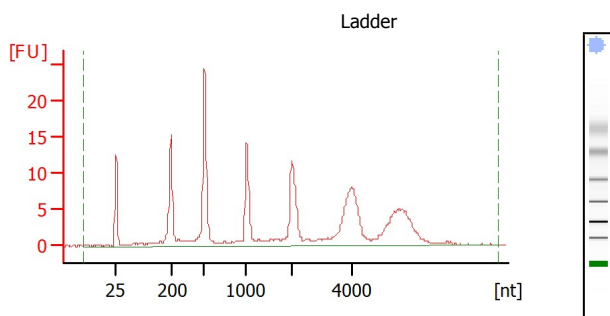
| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| GM 12006 | | ✓ | RIN: 9.20 | |
| HG 00331 | | ✓ | RIN: 8.60 | |
| GM 20803 | | ✓ | RIN: 8.80 | |
| GM 12234 | | ✓ | RIN: 8.40 | |
| GM 20520 | | ✓ | RIN: 8.90 | |
| HG 00362 | | ✓ | RIN: 9.20 | |
| GM 12005 | | ✓ | RIN: 8.80 | |
| GM 20586 | | ✓ | RIN: 8.70 | |
| GM 12287 | | ✓ | RIN: 8.90 | |
| GM 20532 | | ✓ | RIN:9 | |
| HG 00122 | | ✓ | RIN: 8.30 | |
| HG 00121 | | ✓ | RIN: 8.30 | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_14-03-41.xad

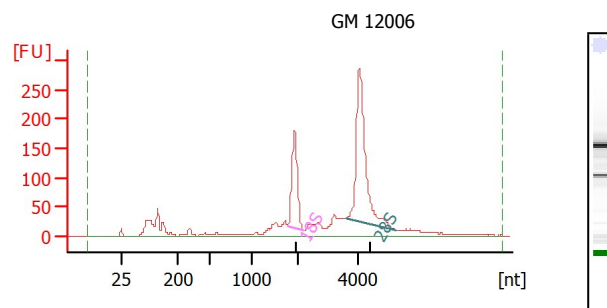
Created: 10/13/2011 2:03:40 PM
Modified: 10/13/2011 2:27:34 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 195.8
RNA Concentration: 150 ng/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

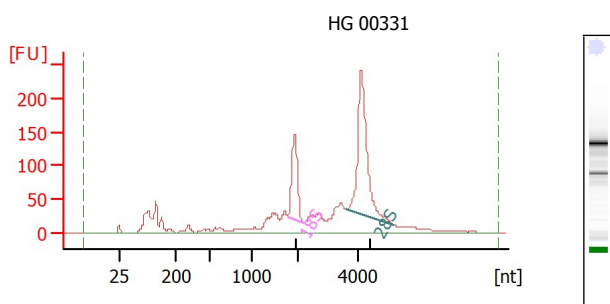


Overall Results for sample 1 : GM 12006

RNA Area: 1,978.6
RNA Concentration: 1,516 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 9.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.20

Fragment table for sample 1 : GM 12006

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,763 | 2,200 | 288.0 | 14.6 |
| 28S | 3,585 | 5,279 | 628.9 | 31.8 |

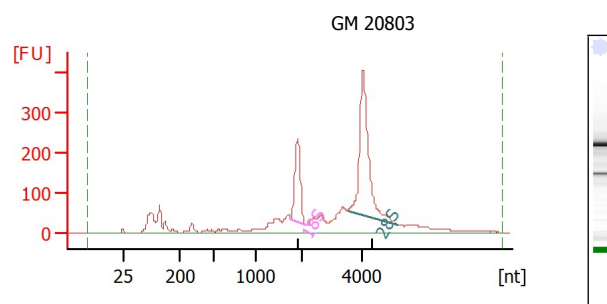


Overall Results for sample 2 : HG 00331

RNA Area: 2,008.8
RNA Concentration: 1,539 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 8.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.60

Fragment table for sample 2 : HG 00331

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,787 | 2,176 | 219.7 | 10.9 |
| 28S | 3,592 | 5,215 | 518.8 | 25.8 |



Overall Results for sample 3 : GM 20803

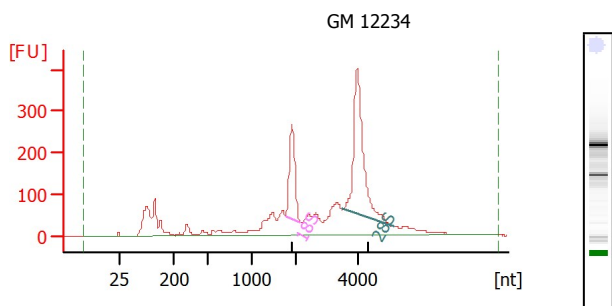
RNA Area: 3,085.7
RNA Concentration: 2,364 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 8.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.80

Fragment table for sample 3 : GM 20803

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,760 | 2,135 | 353.7 | 11.5 |
| 28S | 3,508 | 5,160 | 846.5 | 27.4 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_14-03-41.xad

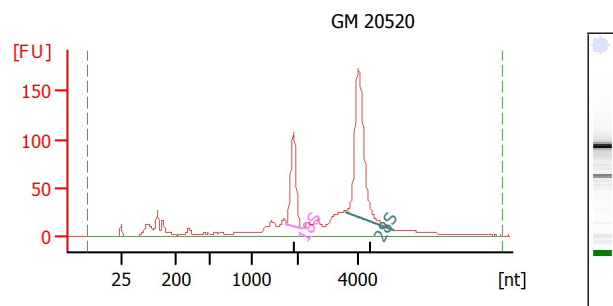
Created: 10/13/2011 2:03:40 PM
Modified: 10/13/2011 2:27:34 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : GM 12234**

RNA Area: 3,715.5
RNA Concentration: 2,846 ng/μl
rRNA Ratio [28s / 18s]: 2.3
RNA Integrity Number (RIN): 8.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.40

Fragment table for sample 4 : GM 12234

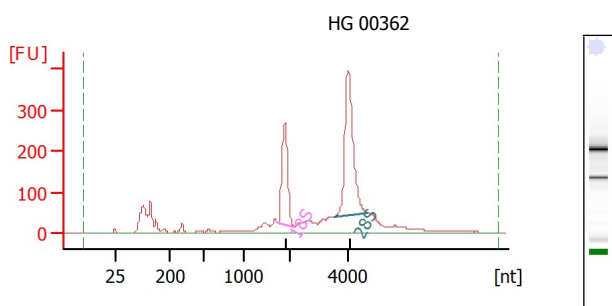
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,749 | 2,119 | 385.0 | 10.4 |
| 28S | 3,510 | 5,207 | 889.1 | 23.9 |

**Overall Results for sample 5 : GM 20520**

RNA Area: 1,267.2
RNA Concentration: 971 ng/μl
rRNA Ratio [28s / 18s]: 2.3
RNA Integrity Number (RIN): 8.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.90

Fragment table for sample 5 : GM 20520

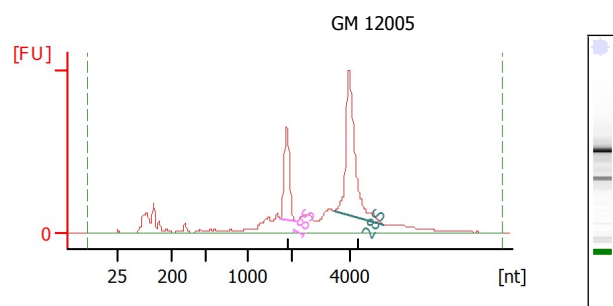
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,762 | 2,129 | 168.5 | 13.3 |
| 28S | 3,629 | 5,200 | 379.9 | 30.0 |

**Overall Results for sample 6 : HG 00362**

RNA Area: 2,935.1
RNA Concentration: 2,248 ng/μl
rRNA Ratio [28s / 18s]: 1.8
RNA Integrity Number (RIN): 9.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.20

Fragment table for sample 6 : HG 00362

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,736 | 2,165 | 451.5 | 15.4 |
| 28S | 3,526 | 4,632 | 793.6 | 27.0 |

**Overall Results for sample 7 : GM 12005**

RNA Area: 4,057.3
RNA Concentration: 3,108 ng/μl
rRNA Ratio [28s / 18s]: 2.3
RNA Integrity Number (RIN): 8.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.80

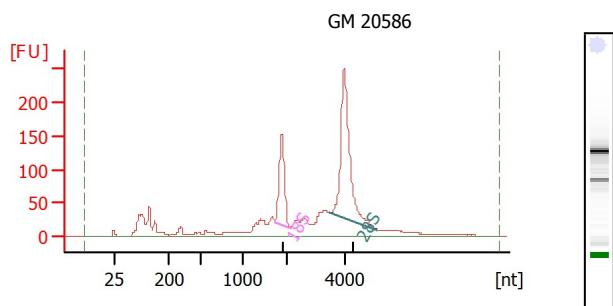
Fragment table for sample 7 : GM 12005

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|---------|-----------------|
| 18S | 1,733 | 2,120 | 484.1 | 11.9 |
| 28S | 3,430 | 5,096 | 1,097.3 | 27.0 |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_14-03-41.xad

Created: 10/13/2011 2:03:40 PM
 Modified: 10/13/2011 2:27:34 PM

Electropherogram Summary Continued ...

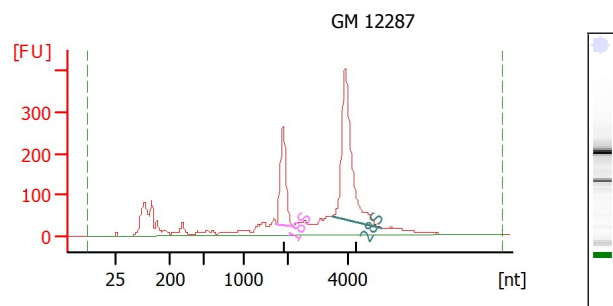


Overall Results for sample 8 : GM 20586

RNA Area: 1,970.9
 RNA Concentration: 1,510 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 8.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.70

Fragment table for sample 8 : GM 20586

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,747 | 2,116 | 229.7 | 11.7 |
| 28S | 3,449 | 5,097 | 541.6 | 27.5 |

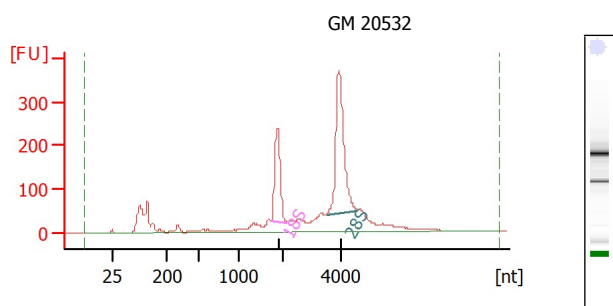


Overall Results for sample 9 : GM 12287

RNA Area: 3,491.6
 RNA Concentration: 2,674 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 8.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.90

Fragment table for sample 9 : GM 12287

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,726 | 2,144 | 436.3 | 12.5 |
| 28S | 3,479 | 5,203 | 985.0 | 28.2 |

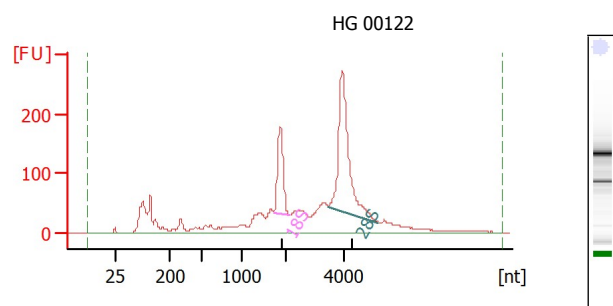


Overall Results for sample 10 : GM 20532

RNA Area: 2,819.1
 RNA Concentration: 2,159 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9

Fragment table for sample 10 : GM 20532

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,712 | 2,140 | 381.6 | 13.5 |
| 28S | 3,485 | 4,540 | 715.4 | 25.4 |



Overall Results for sample 11 : HG 00122

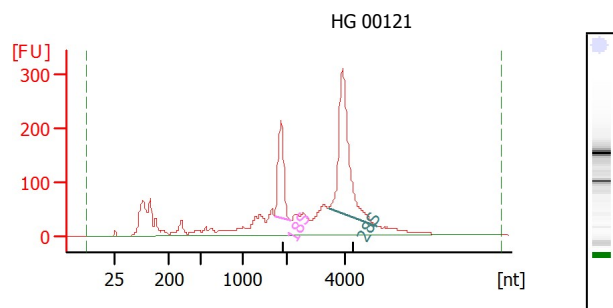
RNA Area: 2,760.1
 RNA Concentration: 2,114 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 8.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.30

Fragment table for sample 11 : HG 00122

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,712 | 2,126 | 264.7 | 9.6 |
| 28S | 3,456 | 5,147 | 646.4 | 23.4 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_14-03-41.xad

Created: 10/13/2011 2:03:40 PM
Modified: 10/13/2011 2:27:34 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : HG 00121**

RNA Area: 3,125.3
RNA Concentration: 2,394 ng/μl
rRNA Ratio [28s / 18s]: 2.3
RNA Integrity Number (RIN): 8.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.30

Fragment table for sample 12 : HG 00121

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,715 | 2,114 | 328.1 | 10.5 |
| 28S | 3,409 | 5,064 | 739.7 | 23.7 |